CLAIMS

What is claimed is:

1. An apparatus, comprising:

a point-to-point communication array to transfer data; and

a hub device, coupled with said point-to-point communication array to configure said point-to-point communication array by dedication of a communication medium of said point-to-point communication array to transfer data between an endpoint device and said hub device based upon device connectivity.

2. The apparatus of claim 1, wherein the endpoint device is coupled with said point-to-point communication array via a connector.

3. The apparatus of claim 2, wherein the connector comprises a connector having a primary port and a non-primary port.

4. The apparatus of claim 2, wherein the connector comprises a detachable coupling to decouple the connector from the communication medium in response to a signal from said hub device.

5. The apparatus of claim 4, the detachable coupling comprises an inductive coupling to couple the connector with the communication medium.

6. The apparatus of claim 2, the connector comprises a translator to translate between magnetic and electrical signals.

7. The apparatus of claim 1, wherein said point-to-point communication array comprises a lane to transmit data between the endpoint device and said hub device.

8. The apparatus of claim 7, wherein the lane comprises a selectable lane.

9. The apparatus of claim 1, wherein said hub device comprises circuitry to provide peer-to-peer communication.

10. The apparatus of claim 1, wherein said hub device comprises logic circuitry coupled with said point-to-point communication array to select the endpoint device based upon receipt of a signal to indicate a device connectivity.

11. The apparatus of claim 10, wherein the logic circuitry comprises circuitry to transmit a signal to request a device connectivity.

12. A method, comprising:

receiving a signal to indicate a device connectivity for an endpoint device coupled with a point-to-point communication array;

determining a configuration for the point-to-point communication array based upon the signal; and

dedicating a first communication medium of the point-to-point communication array to transfer data between the endpoint device and a hub device, based upon the configuration.

13. The method of claim 12, further comprising requesting an indication of a device connectivity from the endpoint device via the first communication medium.

14. The method of claim 12, wherein said receiving a signal comprises receiving a signal indicating that a primary port of the endpoint device is coupled with the first communication medium.

15. The method of claim 12, wherein said receiving a signal comprises receiving a signal indicating that a non-primary port of the endpoint device is coupled with a second communication medium of the point-to-point communication array.

16. The method of claim 12, wherein said determining a configuration comprises comparing the device connectivity against a connectivity capacity of the point-to-point communication array.

17. The method of claim 12 wherein said determining a configuration comprises matching the endpoint device with a port based upon a priority.

18. The method of claim 12, wherein said determining a configuration comprises matching the endpoint device with a port based upon a connector to couple the endpoint to the first communication medium.

19. The method of claim 12, wherein said dedicating a first communication medium comprises transmitting a signal to couple a port of the endpoint device with the first communication medium.

20. The method of claim 12, wherein said dedicating a first communication medium comprises transmitting a signal to decouple a port of the endpoint device from the first communication medium.

21. A system, comprising:

a memory device to store data;

a chipset coupled with said memory, comprising

a memory controller to access said memory; and

an input-output controller, comprising

a point-to-point communication array to transfer data; and

a hub device, coupled with said point-to-point communication array to configure said point-to-point communication array by dedication of a communication medium of said point-to-point communication array to transfer data between an endpoint device and said hub device based upon device connectivity.

22. The system of claim 21, further comprising a processor coupled with said chipset, to transmit data from said memory via the data transmission medium.

23. The system of claim 21, wherein the endpoint device is coupled with said point-to-point communication array via a connector.

24. The system of claim 21, wherein said hub device comprises logic circuitry coupled with said point-to-point communication array to select the endpoint device based upon receipt of a signal to indicate a device connectivity.

25. A system, comprising:

an input-output device to request data via a transmission medium;

a chipset coupled with said input-output device, comprising

a point-to-point communication array to transfer data; and

a hub device, coupled with said point-to-point communication array to configure said point-to-point communication array by dedication of a communication medium of said point-to-point communication array to transfer data between an endpoint device and said hub device based upon device connectivity; and

a processor coupled with said chipset to respond to the request for data via said chipset.

26. The system of claim 25, wherein said chipset further comprises a switch to couple more than one input-output device with said chipset.

27. The system of claim 25, wherein the point-to-point communication array comprises a lane to transmit data between the endpoint device and said hub device.

28. A machine-readable medium containing instructions, which when executed by a machine, cause said machine to perform operations, comprising:

receiving a signal to indicate a device connectivity for an endpoint device coupled with a point-to-point communication array;

determining a configuration for the point-to-point communication array based upon the signal; and

dedicating a first communication medium of the point-to-point communication array to transfer data between the endpoint device and a hub device, based upon the configuration.

29. The machine-readable medium of claim 28, requesting an indication of a device connectivity from the endpoint device via the first communication medium.

30. The machine-readable medium of claim 28, wherein said determining a configuration comprises comparing the device connectivity against a connectivity capacity of the point-to-point communication array.